Index of Claims

| Application No. | Applicant(s) | <br> |  |
|-----------------|--------------|------|--|
| 10/622,396      | PARK ET AL.  | ·    |  |
| Examiner        | Art Unit     |      |  |
| David Lam       | 2818         |      |  |

|   | √. | Rejected |
|---|----|----------|
| ĺ |    | Allowed  |

| _ | (Through numeral)<br>Canc_lled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| _ | ·        |
|---|----------|
| A | Appeal   |
| 0 | Objected |

| C   | laim   | Т          | Date         |                |  |                 |          |                | ٦       |         | Claim Date Claim Date |      |       |  |         |   |  |   |  |                         |           |           |     |                |     |                 |                |          |              |  |                |                |              |          |
|---|--|------------|--------------|----------------|--|-----------------|----------|----------------|---------|---------|-----------------------|------|-------|--|---------|---|--|---|--|-------------------------|-----------|-----------|-----|----------------|-----|-----------------|----------------|----------|--------------|--|----------------|----------------|--------------|----------|
|   |  |            | Т            | Т              | Т  | Ť               |          | $\check{\Box}$ |         | Т       | T                     | -  - | 1     | 7  | +-      | 1 |  |   |  |                         |           |           |     | Claim          | 4   | Date            |                |          |              |  |                |                |              |          |
| Final   | Original   | - 1 '      | 2/00         |                |  |                 |          |                | !       |         |                       |      | Final | Original                                     | 5/012   |   |  |   |  |                         |           |           |     | Final          |     |                 |                |          |              |  |                |                |              | 2        |
|   | 1  |            |              |                |  |                 |          |                |         |         | 1                     | ٦.   |       | 51   | T       | 1                                       | $\top$   | ۲.  |  | -+                      | +         | +         | -   | -              | 10  | 1               | +              | +        | +            | ┰  | +              | +-             | +-           | ┿        |
|   | 1 2  |            |              |                |  |                 |          |                |         | T       | Τ                     |      |       | 52<br>53<br>54<br>55<br>56<br>57<br>56<br>59 | ✝       | +-                                      | ╁  |   | $\vdash$   | -                       | +         | +         | 1.  | -              | 10  |                 | ╁              | +-       | ┿            | ╀  | +              | +              | +            | +-       |
| ļ   | 3  | Ш          |              |                |  | $\top$          | -1       |                |         |         | Π                     | 7    |       | 53   | 1       | ١.                                      | 1  | T   |  | $\neg$                  | 十         | +-        |     | _              | 10  |                 | +              | +        | ╁            | ╁  | +-             | +              | ╁            | ╁        |
| <u></u>   | 14   | _          |              |                |  | $\Box$          |          |                | ,       |         | Т                     | ٦.   | :     | 54   | 1       | $\top$                                  | †  | _   |  | _                       | +         | +-        | ┧   | -              | 10  | <del>}</del>    | ╁              | +        | +            | ╀  | +-             | +-             | +-           | +-       |
|   | - \$   | Ĺ          | $\perp$      |                |  |                 | T        |                |         | Π       | 1                     | 4    |       | 55   | T       | $\vdash$                                | <b>†</b>   |   |  | _                       | +         | +-        | TO  | $\vdash$       | 10  | 5               | ╁              | +-       | +            | ┿  | +              | +-             | Η÷           | ┼-       |
| <u> </u>  | 6  | $\perp$    |              |                |  |                 |          |                |         |         | Г                     | 7.,  |       | 56   | T       | Ť                                       |  |   |  | -                       | +         | +         | 10  | -              | 10  | <del>   </del>  | +              | +        | ╁            | +-   | ┿              | +-             | ╁            | ╁        |
|   | 17   |            |              |                |  |                 |          |                |         |         |                       | ] ;  |       | 57   | 1       |   |  | М   | T  | $\dashv$                | +         | +         |     | -              | 10  | <del>}</del>    | +              | +        | ╁            | +-   | +              | 4              | ╁            | ┼        |
|   | 8  |            | ᆚ            |                |  | Ĺ               | $\int$   |                |         |         |                       |      |       | 58   | 1       | 1                                       |  | П   | $\neg$   | +                       | +         | +         |     | -              | 10  |                 | ┰              | ╁        | ┿            | +-   | +              | ╁              | +            | +-       |
|   | 1 9  | ᆚ          | $\perp$      | $\perp$        | _  | $\perp$         |          |                |         |         | Γ.                    |      | . 9   | 59   | =       |   |  | -   |  | $\neg$                  | +         | +-        | ď.  | <del> </del>   | 10  | <u> </u>        | +-             | +        | ╁            | ╁  | +-             | ╁              | +            | ╀        |
|   | 10   |            | :            | L              | <u>.                                    </u> | $\perp$         | $\perp$  |                |         |         |                       |      | 10    | 60   | П       | $\Box$                                  |  |   | $\neg$   | T .                     | $\top$    | +         | 1   | <u> </u>       | 111 | <del>,</del>    | +              | +        | +            | +  | ┼              | ╁              | ├            | ╁        |
| Ĺ   | 111  | $\perp$    |              | Ŀ              | $\perp$                                      |                 |          |                |         |         | , '                   |      | 11    | 61   | П       |   |  | T   |  | Ť                       | +         | ┰         | 10  | <del></del>    | 11  |                 | +-             | ╁        | +            | ╫  | +              | +              | ┢            | ┼-       |
| -   | 12   | 1          |              |                | 1  |                 | $\int$   | $oxed{oxed}$   |         |         |                       |      | 12    | 62   | П       | Ī                                       | П  |   | 1  | $\top$                  | T         | +         | 14  | $\vdash$       | 11: | <del>;  -</del> | +              | +        | ╁            | +-   | +              | +-             | <del> </del> | +-       |
|   | 13   | 1          |              | 1              | 1  |                 | $\perp$  | _]:            |         |         | Ĺ                     | ]#   | 13    | 63   | =       | Ī                                       | М  |   | _  | $\dashv$                | _         | +-        | 1.  | <del>  ,</del> | 11; |                 | +              | +        | ╁            | +-   | +              | ╁              | 1            | ┼─       |
|   | 14   | ┸          | 1            | $\perp$        | L  | Ĺ               | I        | $\Box$         |         |         |                       |      |       | 64   |         | T.                                      |  | 1   | _  | _                       | +         | 1         |     | ٠.             | _   | 1               | +              | +        | +            | +  | +              | ╀              | ╁            | ┼─       |
|   | 15   | $\perp$    | $\perp$      | 4              | L  |                 |          | $\Box$         | :       |         |                       |      | 14    | 65   | =       |   |  | 7   | 7  | $\top$                  | $\top$    | $\top$    | 15  | $\vdash$       | 11: | +               | +              | +        | ╁            | +  | ╁              | +              |              | H        |
| <u></u>   | 16   | 1          | $\perp$      |                | 1  | L               | $\perp$  | $\Box \Gamma$  |         |         | •                     |      |       | 66   |         |   | $\Box$   | _   | 7  | $\dashv$                | $\top$    | 1         |     | $\vdash$       | 110 | $\pm$           | +              | +        | ╁            | +-   | +              | ╁              | +-           | ┾┤       |
|   | 17   | ┸          | 1            | $\perp$        | ⊥.   |                 | ·        |                |         |         | Ι.                    |      |       | 67   |         |   | $\Box$   |   | 7  | _                       |           | 1-        |     | -              | 117 | +               | +              | +        | +-           | ╁  | 十              | +              | <del> </del> | ┼╌┤      |
| <u></u>   | 18   | $\perp$    | 1            | 1.             | 1'   | Ĺ               | _        | ,              |         |         |                       |      |       | 68   |         |   |  |   |  | $\top$                  | $\top$    | 1         |     |                | 118 |                 | +              | ╁        | ├            | ╁  | ╁              | +              |              | ⊢⊢       |
|   | 19   |            | _            | <u> </u>       | $\perp$                                      | $\perp$         |          |                |         |         |                       |      |       | 69   |         |   |  |   | _  | $\top$                  | +         | $\top$    |     |                | 119 | í               | +              | ╁        | 1            | +  | ╁              | +-             |              | $\vdash$ |
|   | 20<br>24   | Ŀ          | 1            | ╧              | Ŀ  |                 |          |                |         |         |                       | 14   |       | 70   |         |   | -  | $\neg$  | $\dashv$   |                         | †         | +         | 1,2 |                | 120 | +               | ╅              | ╁╌       | ┢            | ╁  | ┿              | <del> </del>   | -            | H        |
| Ŀ.  | 24   | 1_         |              | 1              | Ŀ  |                 | $\perp$  |                |         |         |                       |      |       | 71   |         |   | $\exists$  |   | $\top$   |                         | 1         | +         |     |                | 121 | +               | ╁╌             | +        | 1            | +-   | ┢╌             | ╁              | -            | $\vdash$ |
| 1   | 22   | =          |              |                |  |                 | Ι        |                | ٦       |         |                       |      |       | 72   |         |   |  |   | $\top$   | +                       | Ť         | +-        | 14  |                | 122 | +-              | +-             | +        | ┢            | ┼  | +-             | $\vdash$       | -            | $\vdash$ |
| 2   | 23   | Ш          | $\perp$      |                |  | <u> </u>        | $\perp$  |                |         |         |                       | N    |       | 73   | $\neg$  |   | $\neg$   | 7   | ,  | $\top$                  | 1         | 1.        |     | •              | 123 | +               | ╁              | $\vdash$ | ┝            | ╁  | <del> </del> - | <del> </del>   |              | Н        |
| 3   | 24   | 44         | ┸            | $\perp$        | Ŀ  |                 |          |                |         | $\Box$  |                       | 14   |       | 74   |         |   |  |   | 7  | +                       | $\dagger$ | $\top$    |     |                | 124 |                 | ╁╴             | ╁        | -            | ╁  | ┼-,            | ├-             |              | $\vdash$ |
| 4   | 25   | Щ          | ↓_           | 1.             | L  | ╧               | $\perp$  |                |         |         |                       |      |       | 75   |         |   |  |   |  | $\top$                  | T         | 1.        |     |                | 125 |                 | †-             | ┢╌       | H            | ╁  | <del> </del>   | <del> </del> · |              | H        |
| 5   | 26   | 11         | 丄            | 1              | 1.   | $\perp$         |          |                |         |         |                       |      |       | 76   |         |   |  | Ť   | $\top$   |                         | 1         |           |     |                | 126 | +               | ╁╌             | ┢        |              | ╁  | ╁─             | <del>  -</del> | $\dashv$     | $\dashv$ |
| 6   | 27   | 11         | 1            | <u> </u>       | 1_   | 1               | Ŀ        |                |         |         |                       |      |       | 77   |         |   | $\neg$   | , [   |  | T -                     | 1         | 1         |     |                | 127 | +               | ${}^{\dagger}$ | $\vdash$ | +            | ┢  | _              | ╁              | -            |          |
| 7.  | 28   | 11         | 4            | 1              | ↲  | 1               | L        | ╧              | _       |         |                       |      |       | 78   |         |   |  | 7   |  | $\top$                  |           | T         |     |                | 128 | +               | +              |          | <del> </del> | H  |                | -              | $\dashv$     | $\dashv$ |
| 8   | 29   | =          | L            | 1              | 1_   | 1_              | L        |                | $\perp$ |         | _                     |      |       | 79   |         |   |  | Ţ.  | 7  | $\top$                  |           |           |     |                | 129 | 1               | 1              | ┢        | $\vdash$     |  | -              | -              | - 1          | $\dashv$ |
|   | 30<br>31   |            | 上            | 4              | 1  | Ŀ               |          | _              | 1       |         |                       |      | ٠,    | 80   | T       |   |  |   |  | . 19                    | ١.        |           |     |                | 130 | 1               | T              | t        |              | -  | -              | Н              | $\dashv$     |          |
|   | 31   | ↓_         | ļ            | ـ              | <u> </u>                                     | <u> </u>        | L        |                | _       |         | Щ                     |      |       | 81   |         |   |  | T   | T  | T                       |           |           |     |                | 131 |                 | T              |          |              | <del>                                     </del> |                |                | $\dashv$     | -4       |
|   | 32   | ļ          | <u> </u>     |                | ┺  | -               | L        | 4              | 4       | _       | _                     |      |       | 82   | ·       | ,                                       |  |   |  |                         | Ī         | П         | , 1 |                | 132 | T               | ١.             |          |              |  |                |                | $\neg$       | ヿ゙       |
|   | 33   | <b> </b>   | -            | ╀              | _  | <del> </del>    | L        | ┸              | 4       |         | _                     |      |       | 83   |         |   |  |   |  |                         | Ī         |           |     |                | 133 | T               |                |          |              |  | _              |                | +            | $\neg$   |
|   | 32<br>33<br>34<br>35   | 1          |              | 1              | ├-   | <del> </del>    | Ľ        | 4-             | 4       | _       | _                     |      |       | 84   |         | $\Box$                                  | $\perp$  | $\perp \Gamma$  |  | I                       |           |           | - G |                | 134 | 1               |                |          |              |  | М              | $\vdash$       | $\dashv$     | $\dashv$ |
|   | 3D   | -          | ↓_           | <del> </del> ⊢ | <del> </del>                                 |                 | $\perp$  | 4.             | 4       | $\perp$ | _                     |      |       | 85   |         |   | $\perp \Gamma$   | $oxed{oxed}$  | [  | I                       | _ ·       |           | Γ   | _              | 135 | 1               | 1              |          |              | -  |                | Н              | $\dashv$     | $\dashv$ |
| -   | 36   | <u> </u>   |              | 1-             | -  | $\vdash$        | 1        | 4              | 4       | 4       | _                     |      |       | 86.  |         |   | ŀ  | $oldsymbol{ol}}}}}}}}}}}}}} $ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$  | I                       |           |           |     |                | 136 |                 |                | Н        | `            |  |                |                | $\top$       | $\dashv$ |
|   | 37   | -          | Ľ            | ₩              | <del> </del>                                 | <del>  '</del>  | 1        | _              | 4       |         | _                     |      |       | 87   |         | Ţ                                       | $oldsymbol{ol}}}}}}}}}}}}}}}}}}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}$ | $oldsymbol{\mathbb{I}}$ |           |           |     |                | 137 | T               |                | Н        |              |  |                | $\dashv$       | +            | +        |
|   | 38   | <u> </u>   | 1            | <del> </del>   | 1  | ـــ             | 1        | 1              | ļ       | 4       | _                     | 393  |       | 88   |         | _[                                      | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$  | $\int_{-\infty}^{\infty}$   | $\perp$  | $\perp$                 | L         |           |     |                | 138 | 1               |                | . 1      | $\dashv$     |  |                | T              | $\dashv$     | $\dashv$ |
| $-\!$ | 39   | L          | Ë            | -              | -  | <u> </u>        | <u> </u> | 4              | $\perp$ |         | _                     |      |       | 89   |         |   |  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |  | $I^-$                   |           |           |     |                | 139 | T               |                |          | $\dashv$     | -  | $\neg$         | $\dashv$       | 一            | $\dashv$ |
|   | 40<br>41   | <b>-</b> - | <del> </del> | -              | $\vdash$                                     | _               | $\vdash$ | +              | 4       | _       | _                     |      |       | 90   | $\perp$ |   |  |   | ·I   | $oxed{\Box}$            |           |           |     |                | 140 |                 |                | $\dashv$ |              |  | $\neg$         | 7              | +            | $\dashv$ |
|   |  | <u> </u>   | -            | ļ              | <u> </u>                                     | ļ.,             | <u> </u> | 4              | 1       | 4       | _                     | H    |       | 91   |         |   |  | $\perp$   | $\perp$  |                         |           |           |     |                | 141 | Π               |                |          | ٦            | 一  | $\dashv$       | T              | $\dashv$     | $\dashv$ |
|   | #  | <u> </u>   | <u> </u>     |                | -  | H               | L        | +-             | 4       | 4       | _                     | ML   |       | 92   | $\perp$ |   | $\bot$   |   |  |                         |           |           |     |                | 142 |                 |                | $\neg$   | 7            | 寸  | $\dashv$       |                | $\dashv$     | $\dashv$ |
| -+  | 413  | -          | ├            | -              | <u> </u>                                     |                 | $\vdash$ | +              | 1       | 4       | _                     |      |       | 93   | $\perp$ |   |  |   |  | $\Box$                  |           |           |     |                | 143 |                 |                |          | 7            |  | -              | 7              | $\dashv$     | 7        |
|   | 4  |            | <u> </u>     |                | <u> </u>                                     | <u> </u>        | _        | +              | +       | 4       | 4                     | _    |       | 94   | $\perp$ | _                                       | $\perp$  |   |  |                         |           |           |     |                | 144 |                 |                |          | 7            | $\neg$   | $\neg$         | 1              | 1.           |          |
| -+  | 42   |            | <u> </u>     | -              | _  | Н               | _        | +              | 4       | 4       | _                     | 11   |       | 95   | $\perp$ |   |  |   | ــــــــــــــــــــــــــــــــــــــ   |                         |           |           | ŧΓ  |                | 145 |                 |                | 7        | $\neg$       | T  | 寸              | +              | -            | $\dashv$ |
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| -+  | 44 45 46 47 48 49 59<br>50 50 50 50 50 50 50 50 50 50 50 50 50 5 | -          |              |                |  | $\vdash \vdash$ |          | +              | +       | 4       | 4                     | :-L  |       | 97   |         | $\perp$                                 | 4  | $\perp$   |  |                         |           | $\exists$ | Έ   |                | 147 |                 |                | $\neg$   | 7            | $\neg$   | $\neg$         | 寸              | $\top$       | $\dashv$ |
|   | 40   |            | <u> </u>     | $\vdash$       | _  |                 |          | +-             | ╀       | +       | 4                     | ી    |       | 98   | Щ.      | $\perp$                                 | 1  | _   | 1.   |                         |           | 153       |     |                | 148 |                 |                | .        | $\exists$    | $\dashv$   | 1              | $\dashv$       | $\top$       | $\dashv$ |
| $\dashv$  | 品  |            |              |                | $\vdash$                                     |                 |          | +-             | +       | +       | 4                     | 3    |       | 99   | 1       | 1                                       | $\perp$  | $\perp$   |  |                         |           |           |     |                | 149 |                 | -              |          | $\neg$       |  | 1              | $\top$         | 1            | 7        |
| بلند.   | الصح   |            |              |                |  | Ш               |          |                | 丄       | $\perp$ |                       | - [  | 1     | 00   |         | 1                                       |  | 1   | 1  | $\Box$                  |           | 7         |     |                | 150 |                 | _              | 1        | $\neg$       | -1   | -              | $^+$           | +            | $\dashv$ |